

## REGIONAL REGISTRATION FOR A MOBILE IP ENABLED SYSTEM

### ABSTRACT OF THE DISCLOSURE

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A registration method in a system having a hierarchical structure (100) that includes a mobile node (20), at least one FA (42), at least one GFA (40) and an HA (30). The method includes the steps of: intercepting (210) a registration request (300) from a mobile node to its HA, the registration request including a  
10 first care of address (360) for the mobile node; determining (220) whether there is an existing entry in a visitor list for the mobile node; if the entry exists, updating (230) the entry; if no entry exists, creating an entry (250) in the list for the mobile node, adding (260) a second care of address as an extension to the registration request, and sending (270) the registration request with the address extension to  
15 the HA; and sending (240) a registration reply to the mobile node.